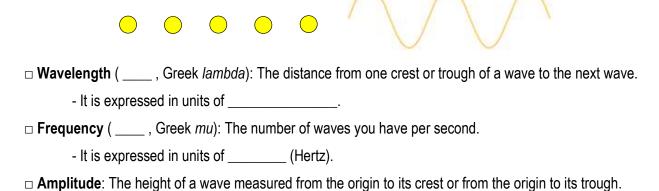
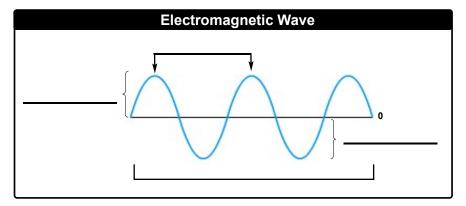
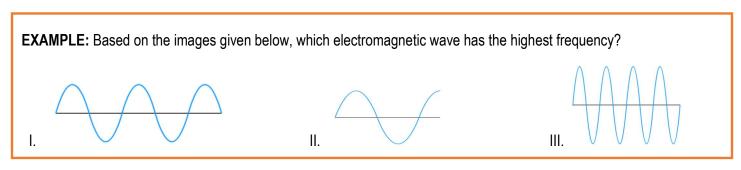
CONCEPT: WAVELENGTH AND FREQUENCY

• Light energy can travel through space as *electromagnetic radiation* in the form of particles or waves.







Wavelength & Frequency Relationship

At a fixed speed, the *frequency* of a light wave is ______ proportional to its *wavelength*.
_____ frequencies have _____ wavelengths.

PRACTICE: Which energy wave would have the highest frequency from the wavelengths provided?

- a) Wave A (453 nm)
- b) Wave B (707 nm)
- c) Wave C (325 nm)
- d) Wave D (910 nm)